

AMENDMENTS TO THE CLAIMS

PLEASE AMEND THE CLAIMS AS INDICATED BELOW.

1. (Currently Amended) An air conditioning system adapted for control of the amount of moisture within air being conditioned, the system comprising:

~~a condensing unit;~~

an air handler containing a blower motor for movement of air past a cooling coil; and

a speed control for ~~the air handler, the speed control operable to operate the~~
operating only the blower motor of the air handler at a first lower speed for a delay
period when the cooling coil is energized and then operating the blower motor at a
second speed that is higher than the first speed.

2. (Currently Amended) The air conditioning system of claim 1 wherein the speed control further comprises a time delay circuit that is adjustable ~~having a first operating mode in which the blower motor is off, a second operating mode in which the blower motor operates at a lower speed, and a third operating mode in which the blower motor is operated at a higher speed.~~

3. (Currently Amended) The air conditioning system of claim 2 wherein the ~~lower~~ first speed is approximately 70% of the ~~higher~~ second speed.

4. (Currently Amended) The air conditioning system of claim 2 wherein the time delay circuit causes the blower motor to operate at the ~~lower~~ first speed for a ~~predetermined~~ the delay period at the start of a ~~blower~~ cooling cycle.

5. (Currently Amended) The air conditioning system of claim 4 wherein the ~~predetermined~~ delay period is adjustable from about 5 minutes to about ~~7~~ 10 minutes.

6. (Cancelled).

7. (Currently Amended) ~~An~~ The air conditioning system ~~adapted for control of the amount of moisture within air being conditioned, the system~~ of claim 1 further comprising:

~~a condensing unit;~~

~~an air handler containing a blower motor for movement of air past a cooling coil;~~
an outside air damper for selective introduction of outside air into the air conditioning system; and
a humidistat for operational control of the outside air damper to close the outside air damper upon detection of an excessive humidity level in the air being conditioned; ~~and~~
~~a speed control for the air handler.~~

8. (Currently Amended) The air conditioning system of claim 7 1 wherein the speed control comprises a time delay circuit for controlling the delay period and a single pole, double –throw relay for switching the fan blower from the first speed to the second speed.

9. (Currently Amended) The air conditioning system of claim 7 1 wherein the ~~time delay circuit has a first operating mode in which the blower motor is off, a second operating mode in which the blower motor operates at a lower speed, and a third operating mode in which the blower motor is operated at a higher speed~~ speed control is interconnected with a furnace circuit board, the speed control and furnace circuit board being configured to operate the blower motor.

10. (Original) The air conditioning system of claim 7 further comprising return air ductwork for carrying conditioned air from the structure back into the air conditioning system, and wherein the humidistat is mounted within the return air ductwork.

11. (Cancelled)

12. (Cancelled)

13. (Currently Amended) A method of controlling the moisture level of conditioned air within a structure comprising the steps of:

energizing a cooling coil;

operating only a blower motor at a first speed for a predetermined time period to move air past the cooling coil; and

operating only the blower motor at a second speed after said predetermined time period has elapsed to move air past the cooling coil, the second speed being greater than the first speed.

14. The method of claim 13 further comprising the steps of:
detecting a humidity level within conditioned air; and
limiting entry of outside air into the conditioned air by closing off an outside air damper upon detection of a predetermined humidity level.
15. (Original) The method of claim 13 wherein the predetermined time period is from about 5 minutes to about 7 minutes.
16. (Currently Amended) ~~The air conditioning system~~ method of claim 13 wherein the first speed is approximately 70% of the second speed.
17. (New) The method of claim 13 further comprising adjusting the predetermined delay period.
18. (New) The method of claim 13 further comprising selectively introducing outside air into the air conditioning system using an outside air damper.
19. (New) A control unit for controlling an air conditioning system having a condensing unit having cooling coils, an air handler having a blower motor for blowing air across the cooling coils, the control unit comprising:
a control circuit configured to control the speed of only the blower motor, the control circuit being further configured to operate the blower motor at a first speed for a predetermined period, and then operate the blower motor at a second speed greater than the first speed, the predetermined period being selected to reduce moisture earlier in each cooling cycle.
20. (New) The control unit of claim 19 wherein the predetermined period is adjustable.

21. (New) The control unit of claim 20 further comprising a humidistat mounted within a return air ductwork that measures the amount of moisture in the air being conditioned.
22. (New) The control unit of claim 20 wherein the control circuit is configured to introduce outside air into the air conditioning system by operating an outside air damper.
23. (New) The control unit of claim 19 further comprising a time delay circuit for controlling the delay period and a single pole, double –throw relay for switching the fan blower from the first speed to the second speed.